

CLAIMS

1. Device comprising a patch antenna, and coupling means for connecting the antenna to an electronic component,

5 wherein the patch antenna is arranged on one side of an antenna plate, **characterized in that** the electronic component can be mounted on the other side of the antenna plate and that the coupling means comprise a metal passage through the antenna plate and a metal bond wire for connecting the
10 electronic component to the passage, wherein the length of the passage, as seen perpendicularly of the antenna plate, is smaller than a quarter-wavelength of a signal to be processed by the antenna.

2. Device as claimed in claim 1, **characterized in that** the length of the bond wire is smaller than a quarter-wavelength of a signal to be processed by the antenna.

3. Device as claimed in either of the foregoing claims, **characterized in that** an electrically conductive plate for the patch antenna is arranged against the antenna plate on
20 the side of the electronic component, which electrically conductive plate is provided with a recess for the passage.

4. Device as claimed in any of the foregoing claims, **characterized in that** the electronic component is an amplifier, such as a low noise amplifier.

25 5. Device as claimed in any of the foregoing claims, **characterized in that** on the side of the electronic component the passage transposes into a bond pad for the bond wire.

6. Device as claimed in any of the foregoing claims, **characterized in that** the passage has a substantially
30 cylindrical form.

7. Device as claimed in any of the foregoing claims, **characterized in that** on the side of the antenna the passage makes direct contact with a power supply line of the patch

antenna.

8. Device as claimed in claim 7, **characterized in that** the periphery of the passage substantially corresponds with the width of the power supply line.

5 9. Radar receiver provided with a device as claimed in any of the foregoing claims.